



Name _____

Date _____

KIDS SCIENCE NEWS NETWORK

PURPOSE

To create bubbles with objects inside

MATERIALS

bubble mix
(see recipe below)
1 tablespoon (15 ml) sugar
or one 1/4 ounce package
(8 ml) unflavored gelatin or
1 tablespoon (15 ml)
glycerin
2-liter plastic soda bottle
water
large, flat surface
scissors
marble or other small toy

Bubble Mix Recipe

leftover pieces of soap
jar with lid
water

To make bubble mix, rinse off leftover pieces of soap and put them in a jar with a small amount of water. Cover with a lid so that the mixture does not dry out. Let the mixture sit for a few days until it forms a gooey liquid mass. Make enough to yield 1/4 cup (60 ml).

Bubble, Bubble, Toys, and Trouble

PROCEDURE

1. Use scissors to cut off the bottom of a 2-liter bottle and discard the bottom.
2. Along the bottom edge of the bottle, cut 1.5-cm slits evenly spaced about 1.5 cm apart. See diagram 1.
3. Bend the edges of the bottom of the bottle back so that it fans out like a flower. See diagram 2.
4. Make a bubble solution by mixing the following into a bowl or jar:
1/4 cup (60 ml) bubble mix
3/4 cup (200 ml) water
1 tablespoon (15 ml) sugar or one 1/4 ounce package (8 ml) unflavored gelatin or 1 tablespoon (15 ml) glycerin.
5. Pour the bubble solution onto a flat surface.
6. Place the fanned-out end of the bottle into the bubble solution.
7. Hold it near the wet flat surface and blow a large bubble dome onto the flat surface.
8. Once you have a large bubble, wet a marble or other small toy object and try sliding or rolling the object through the bubble. It may take practice, but keep trying!

EXTENSIONS

1. Dip a tea strainer into the bubble solution and gently blow. Look carefully at the mass of bubbles that were created. Do you notice anything different about the bubbles?
2. Create your own bubble maker from fine wire or string.
3. Blow bubbles with a straw. Practice making bubbles and then try to reinsert the straw into a previously formed bubble to blow a smaller bubble inside.
4. Use a funnel to blow bubbles.
5. Have bubble blowing contests for the biggest bubble, the prettiest bubble, the most bubbles, or the longest-lasting bubble.